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Kenneth M. Anderson

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Kenneth M. Anderson

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Junichi Suzuki, Yoshikazu Yamamoto

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Keywords: CASE data interchange, UML, XML, software model interchange

Practical experience with an application extractor for Java

Frank Tip, Chris Laffra, Peter F. Sweeney, David Streeter

October 1999 ACM SIGPLAN Notices, Proceedings of the 14th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications OOPSLA '99, Volume 34 Issue 10

Publisher: ACM Press

Full text available: pdf(2.31 MB)

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<u>terms</u>

Java programs are routinely transmitted over low-bandwidth network connections as compressed class file archives (i.e., zip files and jar files). Since archive size is directly proportional to download time, it is desirable for applications to be as small as possible. This paper is concerned with the use of program transformations such as removal of dead methods and fields, inlining of method calls, and simplification of the class hierarchy for reducing application size. Such "extract ...

<sup>5</sup> Java resources for computer science instruction

Joseph Bergin, Thomas L. Naps, Constance G. Bland, Stephen J. Hartley, Mark A. Holliday, Pamela B. Lawhead, John Lewis, Myles F. McNally, Christopher H. Nevison, Cheng Ng, George J. Pothering, Tommi Teräsvirta

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Publisher: ACM Press

Full text available: pdf(107.98 KB) Additional Information: full citation, references, citings, index terms

<sup>6</sup> A lightweight, message-oriented application server for the WWW

Ralf-Dieter Schimkat, Stefan Müller, Wolfgang Küchlin

March 2000 Proceedings of the 2000 ACM symposium on Applied computing - Volume 2 SAC '00

Publisher: ACM Press

Full text available: pdf(1.37 MB)
Additional Information: full citation, references, index terms

**Keywords**: application integration, application server, message bus, uniform Web interface

<sup>7</sup> Compiling standard ML to Java bytecodes

Nick Benton, Andrew Kennedy, George Russell

September 1998 ACM SIGPLAN Notices, Proceedings of the third ACM SIGPLAN international conference on Functional programming ICFP '98, Volume 34 Issue 1

Publisher: ACM Press

Full text available: pdf(1.54 MB)

Additional Information: full citation, abstract, references, citings, index terms

MLJ compiles SML'97 into verifier-compliant Java byte-codes. Its features include type-checked interlanguage working extensions which allow ML and Java code to call each other, automatic recompilation management, compact compiled code and runtime performance which, using a 'just in time' compiling Java virtual machine, usually exceeds that of existing specialised bytecode interpreters for ML. Notable features of the compiler itself include whole-program optimisation based on rewriting, compilati ...

<sup>8</sup> An architecture for a secure service discovery service

Steven E. Czerwinski, Ben Y. Zhao, Todd D. Hodes, Anthony D. Joseph, Randy H. Katz August 1999 Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking MobiCom '99

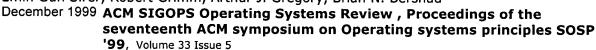
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Design and implementation of a distributed virtual machine for networked computers





Publisher: ACM Press

Full text available: pdf(1.62 MB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index</u> terms

This paper describes the motivation, architecture and performance of a distributed virtual machine (DVM) for networked computers. DVMs rely on a distributed service architecture to meet the manageability, security and uniformity requirements of large, heterogeneous clusters of networked computers. In a DVM, system services, such as verification, security enforcement, compilation and optimization, are factored out of clients and located on powerful network servers. This partitioning of system fun ...

## 10 The Desert environment



Steven P. Reiss

October 1999 ACM Transactions on Software Engineering and Methodology (TOSEM),

Volume 8 Issue 4

Publisher: ACM Press

Full text available: pdf(868.64 KB)

Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, citings, index terms, review

The Desert software engineering environment is a suite of tools developed to enhance programmer productivity through increased tool integration. It introduces an inexpensive form of data integration to provide additional tool capabilities and information sharing among tools, uses a common editor to give high-quality semantic feedback and to integrate different types of software artifacts, and builds virtual files on demand to address specific tasks. All this is done in an open and extensibl ...

**Keywords**: integrated programming environments, program editors

11 An XJML-based wrapper generator for Web information extraction



Ling Liu, Wei Han, David Buttler, Calton Pu, Wei Tang

June 1999 ACM SIGMOD Record, Proceedings of the 1999 ACM SIGMOD international conference on Management of data SIGMOD '99, Volume 28 Issue 2

Publisher: ACM Press

Full text available: pdf(511.63 KB) Additional Information: full citation, references, citings, index terms

12 An XML framework for agent-based E-commerce



Robert J. Glushko, Jay M. Tenenbaum, Bart Meltzer

March 1999 Communications of the ACM, Volume 42 Issue 3

Publisher: ACM Press

Full text available: pdf(277.43 KB)

(33.22 KB)

Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

13 WCML: paving the way for reuse in object-oriented Web engineering



Martin Gaedke, Christian Segor, Han-Werner Gellersen

March 2000 Proceedings of the 2000 ACM symposium on Applied computing - Volume 2 SAC '00

Publisher: ACM Press

Full text available: pdf(917.08 KB) Additional Information: full citation, references, citings, index terms

**Keywords**: Web engineering, XML, component-based Web development, object-orientation, software reuse

14 Implementing catalog clearinghouses with XML and XSL

🐴 Andrew V. Royappa

February 1999 Proceedings of the 1999 ACM symposium on Applied computing SAC '99

Publisher: ACM Press

Full text available: pdf(753.90 KB) Additional Information: full citation, references, citings, index terms

Keywords: SGML, XML, XSL, e-commerce

15 Re-targetability in software tools

🔖 Premkumar T. Devanbu

September 1999 ACM SIGAPP Applied Computing Review, Volume 7 Issue 3

Publisher: ACM Press

Full text available: pdf(756.28 KB) Additional Information: full citation, abstract, index terms

Software tool construction is a risky business, with uncertain rewards. Many tools never get used. This is a truism: software tools, however brilliantly conceived, well-designed, and meticulously constructed, have little impact unless they are actually adopted by real programmers. While there are no sure-fire ways of ensuring that a tool will be used, experience indicates that *retargetability* is an important enabler for wide adoption. In this paper, we elaborate on the need for retargetab ...

16 Software engineering and the Internet: a roadmap

, Luca Bompani, Paolo Ciancarini, Fabio Vitali

May 2000 Proceedings of the Conference on The Future of Software Engineering ICSE '00

Publisher: ACM Press

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17 Multimedia description framework (MDF) for content description of audio/video

documents

Michael J. Hu, Ye Jian

August 1999 Proceedings of the fourth ACM conference on Digital libraries DL '99

Publisher: ACM Press

Full text available: pdf(206.64 KB) Additional Information: full citation, references, index terms

Keywords: content description, media search and retrieval, meta-data

18 The express Web server: a user interface for standards development

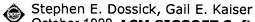
David A. Sauder, Joshua Lubell
February 1999 Proceedings of the 1999 ACM symposium on Applied computing SAC

Publisher: ACM Press

Full text available: pdf(732.89 KB) Additional Information: full citation, references, index terms

Keywords: EXPRESS, STEP (ISO 10303), WWW, cgi.tcl, dynamic HTML

19 CHIME: a metadata-based distributed software development environment



October 1999 ACM SIGSOFT Software Engineering Notes, Proceedings of the 7th European software engineering conference held jointly with the 7th ACM SIGSOFT international symposium on Foundations of software engineering ESEC/FSE-7, Volume 24 Issue 6

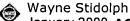
Publisher: Springer-Verlag, ACM Press

Full text available: pdf(940.46 KB)

Additional Information: full citation, abstract, references, citings, index terms

We introduce CHIME, the Columbia Hypermedia IMmersion Environment, a metadata-based information environment, and describe its potential applications for internet and intranet-based distributed software development. CHIME derives many of its concepts from Multi-User Domains (MUDs), placing users in a semi-automatically generated 3D virtual world representing the software system. Users interact with project artifacts by "walking around" the virtual world, where they potentially en ...

<sup>20</sup> Evolutionary design of complex software (EDCS) demonstration days 1999



January 2000 ACM SIGSOFT Software Engineering Notes, Volume 25 Issue 1

Publisher: ACM Press

Full text available: pdf(1.90 MB) Additional Information: full citation, abstract, index terms

This report summarizes the Product/Technology demonstrations given at Defense Advanced Research Projects Agency (DARPA) Evolutionary Design of Complex Software (EDCS) Program Demonstration Days, held 28-29 June 1999 at the Sheraton National Hotel, Arlington, VA.

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